IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
Manufacturer: Samsung
Firmware Version: N/A
Model(s): UN32B6000, UN40B6000, UN40B7000, UN40C5000, UN40C6300, UN40C6500, UN40C7000, UN46B6000, UN46B7000, UN46C6300, UN46C6800, UN46C6900, UN46C7000, UN46C8000, UN46C9000, UN55B6000, UN55B7000, UN55B8500, UN55C5000, UN55C6300, UN55C6400, UN55C6800, UN55C6900, UN55C7000, UN55C8000, UN55C9000, UN60C6300, UN60C6400, UN65C6500, UN65C8000, UN55B7100, UN55D7000, UN65ES6500

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
8	1/24/2013	1.5.1	3.3.2	Added model UN65ES6500.
7	06/15/11	1.4.0	3.1.1	Added models UN65C8000, UN55B7100. Fixed Pin Diagram
6	01/24/11	1.4.0	3.0.4	Modified pin diagram and added alternative method to enable RS232 port.
5	08/19/10	1.4.0	3.0.3	Added models UN55C7000, UN32B6000, UN40B6000, UN40B7000, UN40C5000, UN40C6300, UN40C6500, UN40C7000, UN46B6000, UN46B7000, UN46C6300, UN46C6800, UN46C6900, UN46C7000, UN46C8000, UN46C9000, UN55B6000, UN55B7000, UN55B8500, UN55C5000, UN55C6300, UN55C6400, UN55C6800, UN55C6900, UN55C7000, UN55C8000, UN55C9000, UN60C6300, UN60C6400, UN65C6500.
4	04/29/10	1.4.0	3.0.3	Modified channel down command.
3	02/05/10	1.4.0	3.0.2	Added model UN55B8500.

2	11/20/09	1.4.0	3.0.1	Added Mute and updated commands.
1	10/23/09	1.4.0	3.0.1	Initial version.

Driver Notes:

This driver doesn't support status.

Control Commands & States:

Aspect Ratio	16:9	Zoom 1	Zoom 2
	Wide	4:3	Just Scan
Channel	Up	Down	
Input	TV	Video	Component
	PC	HDMI1	HDMI2
	HDMI3	HDMI4	DVI
Mute	Toggle		
Power Control	On	Off	
Volume(Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Status Available: **N/A**

MLC60 Series Supported Commands:

Aspect Ratio	16:9	Zoom 1	Zoom 2
	Wide	4:3	Just Scan
Channel	Up	Down	
Input	TV	Video	Component
	PC	HDMI1	HDMI2
	HDMI3	HDMI4	DVI
Mute	Toggle		
Power Control	On	Off	
Volume(Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Cable and Adapter Requirements:

Refer to diagram below for wiring.

Notes for the Device:

Please contact the manufacture for enabling serial port or try the following.

1st Method:

To enter service menu: Make sure display is Off, then rapidly press the following keys "Mute, 1, 8, 2, Power". After entering service mode set the "RS-2323Jack" to Hotel. Autowall and Hotel Mode should be set to Off.

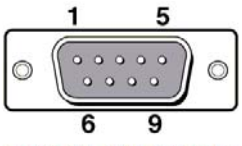
2nd Method:

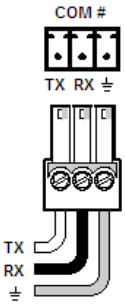
To enter service menu: Make sure display is Off, then rapidly press the following keys "Mute, 1, 8, 2, Power". Select "Expert" option. Go to "RS232 options". In the "RS232 options" menu, select UART.

Serial communication:

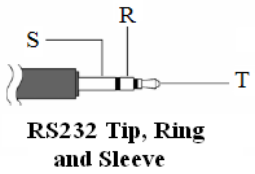
Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:





Signal	Pin	Main Cable	Pin	Signal
RXD	2	←	T	TXD
TXD	3	→	R	RXD
GND	5	—	S	GND



Note: Captive screw connector may also be used as a serial connection.

General Notes: